

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10679	345/87,92,76,98-100,103,690,691,213,214.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/31 10:26
L2	109941	(clock clk ck) and sampl\$3 and (gamma scal\$3 reduc\$4 zoom\$3 enlarg\$5 interpolat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/31 10:30
L3	1472	1 and 2 and (reference modif\$5 fixed)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/31 10:31
L4	189332	(reference modif\$5 fixed sampl\$3) near2 (ck clk clock frequenc\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/31 10:32
L5	495	3 and 4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/31 10:35
L6	2	("6980189").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/31 10:35
L7	1	"6388648".PN.	USPAT; USOCR	OR	ON	2006/07/31 10:35
L8	1	"5414443".PN.	USPAT; USOCR	OR	ON	2006/07/31 10:36
L9	1	"5061920".PN.	USPAT; USOCR	OR	ON	2006/07/31 10:40
L10	1	"5061920".PN.	USPAT; USOCR	OR	ON	2006/07/31 10:41
L11	1	"4975691".PN.	USPAT; USOCR	OR	ON	2006/07/31 10:41
L12	1	"4652872".PN.	USPAT; USOCR	OR	ON	2006/07/31 10:42
L13	65	("5414443").URPN.	USPAT	OR	ON	2006/07/31 10:42
L14	1	"6313830".PN.	USPAT; USOCR	OR	ON	2006/07/31 12:59

## EAST Search History

L15	10	("4766430"   "5192945"   "5414443"   "5600345"   "6034666"   "6069605"   "6100879"   "6175351"   "6256024"   "6313830").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/31 13:02
L16	2	("6876339").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/31 14:03
L17	2	("5414443").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/31 15:01
L18	3	((("6480181") or ("6225969")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/31 15:01
S1	24146	clock same (modulat\$3 modif\$4) same frequenc\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/30 16:19
S2	10602	clock with (modulat\$3 modif\$4) with frequenc\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/06 09:20
S3	380744	display\$3 and (scan\$4 row) and (signal data source)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 14:39
S4	114099	frequency near2 (modulat\$3 modif\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/06 09:22
S5	1022	S2 and S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/06 09:22
S6	38906	reference near2 clock	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/06 09:22

## EAST Search History

S7	277	S5 and S6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 07:15
S8	214	S4 and S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/06 10:51
S9	9	(("6046735") or ("6115020") or ("6281873") or ("5703621")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/06 11:50
S10	3	(("6098046") or ("5920842")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/06 13:38
S11	434288	(A/D D/A AD DA ADC DAC analog digital) near2 conver\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/28 10:40
S12	165	S8 and S11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/06 14:00
S13	4354	345/204,690,698,699,213.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 11:16
S14	3	S12 and S13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/06 16:33
S15	2	("6377640").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/06 16:37
S16	7	S7 and S11 and S13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/06 16:38

## EAST Search History

S17	22	("4595953"   "4623925"   "4791488"   "4835611"   "4847678"   "5359366"   "5371513"   "5446496"   "5451981"   "5600379"   "5668594"   "5719511"   "5731843"   "5764240"   "5805233"   "6177959"   "6304296"   "6441658"   "6522365"   "6532042"   "6573946"   "6636269").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/06 16:38
S18	10608	clock with (modulat\$3 modif\$4) with frequenc\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 07:15
S19	381145	display\$3 and (scan\$4 row) and (signal data source)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 07:15
S20	1023	S18 and S19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 07:15
S21	38935	reference near2 clock	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 07:15
S22	277	S20 and S21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 07:15
S23	556522	(A/D D/A AD DA ADC DAC analog digital) same conver\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 07:18
S24	683	S20 and S23	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 08:14
S25	117900	frequency near2 (modulat\$3 modif\$6 temporal\$3 displac\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 08:15

## EAST Search History

S26	4003	S21 and S25	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 08:15
S27	347	S26 and sampl\$3 and display\$3 and (LCD (liquid adj crystal))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 07:38
S28	4364	345/204,690,698,699,213.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/28 10:41
S29	7	S27 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 11:16
S30	38935	reference near2 clock	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 07:38
S31	117900	frequency near2 (modulat\$3 modif\$6 temporal\$3 displac\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 07:38
S32	4003	S30 and S31	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 07:38
S33	347	S32 and sampl\$3 and display\$3 and (LCD (liquid adj crystal))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 07:38
S34	71803	"345"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 07:39
S35	12	S33 and S34	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 07:59

## EAST Search History

S36	5	((("6901209") or ("5920842"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 08:03
S37	34877	S31 and (sine triangular random\$3 Gaussian)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 08:04
S38	31139	S37 and (analog digital conver\$4 AD DA A/D D/A)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 08:05
S39	296	S33 and S38	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 08:05
S40	84581	"345"/\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 08:06
S41	11	S39 and S40	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 08:07
S42	15	("5920842").URPN.	USPAT	OR	ON	2006/03/08 09:44
S43	17	("5796392").URPN.	USPAT	OR	ON	2006/03/08 10:25
S44	16	("5227863"   "5576769"   "5594467"   "5715020"   "5796392"   "5847691"   "5920361"   "6046734"   "6049316"   "6107984"   "6157376"   "6177922"   "6223283"   "6232952"   "6271822"   "6453110").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 14:38
S45	1	"6459426".PN.	USPAT; USOCR	OR	ON	2006/03/08 11:50
S46	2	("6020872").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 14:38
S47	5	("6147668").URPN.	USPAT	OR	ON	2006/03/08 16:10

## EAST Search History

S48	28	("4713688"   "5025400"   "5115189"   "5334996"   "5359342"   "5420645"   "5448259"   "5568163"   "5600347"   "5643826"   "5703621"   "5736893"   "5737033"   "5757338"   "5801672"   "5818412"   "5818413"   "5818870"   "5821913"   "5883609"   "5909144"   "5923962"   "6046735"   "6088014"   "6104863"   "6115020"   "6147668"   "6281873").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 16:13
S49	0	(IC adj works) and (modulated modified) adj clock and sine and triangular	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 08:36
S50	3	(IC adj works) and (modulated modified) adj clock	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 08:50
S51	8048	clock same (gaussian histogram sine triangular)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 08:52
S52	1846	S51 same (modulat\$3 modif\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 08:52
S53	1343	S52 same (frequency shift\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 08:53
S54	587414	LCD (liquid adj crystal) electroluminescen\$2 electro-luminescen\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 08:54
S55	150516	(gate scan\$4) and (signal column data) and (convert\$3 adc dac a/d d/a) and analog and digital	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 08:57

## EAST Search History

S56	57	S53 and S54 and S55	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 08:57
S57	51	S56 and sampl\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 10:15
S58	12	("5226058"   "5359343"   "5437060"   "5659339"   "5757338"   "5870294"   "5943382"   "5974464"   "6014123"   "6040723"   "6046735"   "6084700").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 14:22
S59	2	("5097218").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 14:29
S60	8	(Hsynch-synchorizontalsynchroniz\$4 )sameresolutionsame(scan\$4row)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 14:31
S61	8	(Hsynch-synchorizontalsynchroniz\$4 )sameresolutionsame(scan\$4row)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 14:33
S62	13379	resolution same (adjust\$3 correct\$3 vary\$3 chang\$3) same display	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 14:34
S63	2871851	d/a dac d-a conver\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 14:34
S64	381810	display\$3 and (scan\$4 row) and (signal data source)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 14:50
S65	6136	S62 and S63 and S64	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 14:53



## EAST Search History

S66	466	345/698,699.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 14:54
S67	107	S65 and S66	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 14:54
S68	64283	(clock clk ck) same (modulat\$3 modif\$4 divid\$3) same frequenc\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/28 10:38
S69	450762	(A/D D/A AD DA ADC DAC analog digital) near2 conver\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/28 10:40
S70	13741	345/76,87,90,92,98-100,204,690, 698,699,208,211,213.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/28 10:43
S71	366	S68 and S69 and S70	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/28 11:23
S72	2	("5420645").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/28 10:43
S73	8	("5420645").URPN.	USPAT	OR	ON	2006/07/28 10:45
S74	2	("6657640").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/28 11:23
S75	6	("5200863"   "5557691"   "5724155"   "5790193"   "6145046"   "6147708").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 11:23
S76	1	("6657640").URPN.	USPAT	OR	ON	2006/07/28 11:25

## EAST Search History

S77	11	("5103311"   "5467465"   "5742406"   "5850268"   "6038584"   "6070003"   "6188381"   "6657640"   "6657674"   "6738356"   "6791555").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 12:31
S78	2	("6894674").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/28 12:31
S79	8	("5754155"   "5986649"   "6147451"   "6166714"   "6225969"   "6538633"   "6580411"   "6727875").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 12:35
S80	3	("4851827"   "5165075"   "5926160").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 12:36
S81	2	("4532506"   "5194974").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 12:37
S82	4	("5406308"   "5731798"   "5781185"   "5940061").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 12:39
S83	9	("5940061").URPN.	USPAT	OR	ON	2006/07/28 13:25
S84	2	("4990902"   "5031118").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 14:21
S85	16	("3928845"   "4121283"   "4399524"   "4422163"   "4454593"   "4536856"   "4566005"   "4574279"   "4611203"   "4628534"   "4730186"   "4751502"   "4760387"   "4763279"   "4764975"   "4769852").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 14:22
S86	8	("5754155"   "5986649"   "6147451"   "6166714"   "6225969"   "6538633"   "6580411"   "6727875").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 16:13
S87	2	("6724381").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/28 16:13
S88	8	("5864495"   "5990968"   "6097379"   "6097444"   "6100724"   "6268848"   "6304296"   "6340993").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 16:36

## EAST Search History

S89	2	("6876339").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/28 16:36
S90	0	("6876339").URPN.	USPAT	OR	ON	2006/07/28 16:38
S91	28	("4713688"   "5025400"   "5115189"   "5334996"   "5359342"   "5420645"   "5448259"   "5568163"   "5600347"   "5643826"   "5703621"   "5736893"   "5737033"   "5757338"   "5801672"   "5818412"   "5818413"   "5818870"   "5821913"   "5883609"   "5909144"   "5923962"   "6046735"   "6088014"   "6104863"   "6115020"   "6147668"   "6281873").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 16:38
S92	19	("5568163").URPN.	USPAT	OR	ON	2006/07/28 16:50
S93	8910	345/87,92,76,98-100,213.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/30 16:31
S94	41896	(convert\$3 invert\$3) same analog same digital same (display screen)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/30 16:22
S95	1134	S93 and S94	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/30 16:22
S96	68743	(ADC A/D analog-to-digital) and (DAC D/A digital-to-analog)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/30 16:24
S97	198	S95 and S96	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/30 16:24
S98	33498	sampl\$3 near3 (clock clk ck)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/30 16:25

## EAST Search History

S99	54	S97 and S98	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/30 16:26
S10 0	1	"6115075".PN.	USPAT; USOCR	OR	ON	2006/07/30 16:27
S10 1	1	"6268848".PN.	USPAT; USOCR	OR	ON	2006/07/30 16:28
S10 2	1	"6430240".PN.	USPAT; USOCR	OR	ON	2006/07/30 16:29
S10 3	1	"6633288".PN.	USPAT; USOCR	OR	ON	2006/07/30 16:29
S10 4	9319	345/87,92,76,98-100,103,213.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/31 10:25
S10 5	58	S94 and S96 and S98 and S104	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/30 16:32
S10 6	1	"6313830".PN.	USPAT; USOCR	OR	ON	2006/07/30 16:33
S10 7	1	"6256024".PN.	USPAT; USOCR	OR	ON	2006/07/30 16:34
S10 8	1	"6100879".PN.	USPAT; USOCR	OR	ON	2006/07/30 16:36
S10 9	1	"6069605".PN.	USPAT; USOCR	OR	ON	2006/07/30 16:37
S11 0	1	"6069605".PN.	USPAT; USOCR	OR	ON	2006/07/30 16:38
S11 1	1	"6034666".PN.	USPAT; USOCR	OR	ON	2006/07/30 16:38
S11 2	1	"5600345".PN.	USPAT; USOCR	OR	ON	2006/07/30 16:38
S11 3	1	"5414443".PN.	USPAT; USOCR	OR	ON	2006/07/30 16:39